

Comparisons of Job Characteristics

Focus Occupation: Oral and Maxillofacial Surgeons (29-1022)

Associated Occupation: Dentists, General (29-1021)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Oral and Maxillofacial Surgeons (29-1022)

Associated Occupation: Dentists, General (29-1021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Medicine and Dentistry	3.7	22.7	24.2	0	Current knowledge level may be sufficient
Customer and Personal Service	11.3	20.5	17.7	<	Expanded education and/or training may be required
Biology	3.7	17.4	15.2	<	Expanded education and/or training may be required
Psychology	6.4	15.8	12.0	<<	Extensive education and/or training may be required
Chemistry	4.8	12.7	9.6	<<	Extensive education and/or training may be required
Administration and Management	8.4	12.6	14.0	>	Current knowledge level is likely sufficient
Personnel and Human Resources	5.6	11.0	11.5	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Oral and Maxillofacial Surgeons (29-1022)

Associated Occupation: Dentists, General (29-1021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Critical Thinking	10.8	15.9	14.8	0	Current skill level may be sufficient
Judgment and Decision Making	9.4	14.6	13.9	0	Current skill level may be sufficient
Active Learning	8.7	13.6	12.2	<	A higher skill level may be required
Monitoring	9.9	13.6	12.5	0	Current skill level may be sufficient

Complex Problem Solving	9.1	13.0	13.9	0	Current skill level may be sufficient
Coordination	9.1	12.8	10.0	<<	Extensive development of skills in this area may be required
Science	4.5	12.3	11.6	0	Current skill level may be sufficient
Service Orientation	7.9	12.2	11.5	0	Current skill level may be sufficient
Time Management	8.9	12.2	11.0	<	A higher skill level may be required
Persuasion	7.4	11.2	8.3	<<	Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	10.8	8.6	<	A higher skill level may be required
Management of Financial Resources	3.3	8.8	4.8	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	8.4	4.8	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Oral and Maxillofacial Surgeons (29-1022)
Associated Occupation: Dentists, General (29-1021)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	19.2	17.8	0	Current ability level may be sufficient
Inductive Reasoning	10.2	18.8	15.7	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	17.6	17.6	0	Current ability level may be sufficient
Near Vision	11.1	17.5	14.2	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	16.9	18.2	0	Current ability level may be sufficient
Deductive Reasoning	10.6	16.5	15.1	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	15.7	18.4	>	Current ability level is likely sufficient
Information Ordering	9.9	14.1	13.8	0	Current ability level may be sufficient
Selective Attention	8.7	12.7	12.6	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 100

Focus Occupation: Oral and Maxillofacial Surgeons (29-1022)
Associated Occupation: Dentists, General (29-1021)

Work Activities	Exclusivity of Activity
Administer anesthetics	77
Administer injections	60

Administer medications or treatments	46
Analyze dental data	89
Calculate medical dosages	77
Collect dental laboratory diagnostic data	89
Communicate technical information	4
Conduct patient assessments	69
Diagnose or treat oral diseases	95
Diagnose or treat oral injuries	85
Follow clinical radiation safety procedures	77
Follow confidentiality procedures	58
Follow dental or medical office procedures	68
Follow dental or medical x-ray procedures	81
Follow infectious materials procedures	52
Follow patient care procedures	60
Identify body response variations	57
Interpret medical laboratory test results	72
Interpret x-rays	76
Make decisions	24
Make presentations on health or medical issues	50
Monitor patient's condition	87
Observe patient condition	48
Obtain information from clients, customers, or patients	40
Prepare patient reports	66
Prescribe or recommend drugs, medical devices or other forms of treatment	76
Understand properties or composition of drugs	64
Understand technical operating, service or repair manuals	6
Use clinical problem solving techniques	69
Use dental treatment procedures	87
Use emergency medical treatment procedures	76
Use interpersonal communication techniques	10
Use knowledge of medical terminology	40
Use research methodology procedures in health care	63
Use sanitation practices in health care settings	48
Write technical health or medical documents	73

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 88

Focus Occupation: Oral and Maxillofacial Surgeons (29-1022)
Associated Occupation: Dentists, General (29-1021)

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Blood pressure units and related products	11

Computers	1
Content authoring and editing software	1
Dental and subspecialty instruments and devices	37
Dental fillers and finishing and polishing supplies	47
Dental imaging equipment and supplies	47
Dental lasers and illumination and fiber optic equipment and supplies	62
Emergency medical services resuscitation products	15
Floor grade instruments	30
General dental supplies	70
Industry specific software	1
Intubation supplies	21
Medical gloves and accessories	19
Medical staff clothing and related articles	17
Oxygen therapy delivery systems and devices	13
Periodontal equipment and supplies	62
Presterilization cleaning equipment and solutions	24
Pulse oximeters	18
Surgical equipment and accessories and related products	23
Viewing and observing instruments and accessories	4
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.